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Some Heterocera of Bohol Island (Philippines), a preliminary list of the species in the Cesa collection with faunistical notes

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Abstract: Some Heterocera of Bohol Island (Philippines), a preliminary list of the species in the Cesa collection with faunistical notes. *Misc. Pap.* 182: 1-20, 52 figs.

This paper deals the faunistical list of a small Heterocera collection from Bohol Island (Philippines). Totally, 128 species of 16 families are listed with synonyms. New faunistical records are mentioned. Illustrations to 52 species are given.

Key words: Lepidoptera, Aganaidae, Arctiidae, Bombycidae, Drepanidae, Eupterotidae, Geometridae, Lasiocampidae, Lymantriidae, Noctuidae, Notodontidae, Pyralidae, Saturniidae, Sphingidae, Thyridae, Uraniidae, Zygaenidae, fauna, Bohol, Philippines.

A small collection of the Heterocera of Bohol Island (Philippines), made by the last author during his expedition in 1996.

The material are identified by the authors, by using the reference collection of the Cesa and info-systems² on the Philippine Islands. All the images used in this paper are preserved in the Cesa archive, and the material in the Collection of the Cesa.

Totally, 128 species of 16 moth families are reported from Bohol Island. The families are as follows; Aganaidae, Arctiidae, Bombycidae, Drepanidae, Eupterotidae, Geometridae, Lasiocampidae, Lymantriidae, Noctuidae, Notodontidae, Pyralidae, Saturniidae, Sphingidae, Thyridae, Uraniidae, and Zygaenidae. Among them, 52 species are illustrated here. Faunistically, 8 species are new to the Philippines. In the same way, 24 species are new to the fauna of Bohol Island. Evaluations of the faunistical records are based upon the Info-system of the Cesa².

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² <http://www.cesa-tr.org/Infos.htm>

List of the species

The present synonymous list of the Lepidoptera is based upon the Info-system of the Cesa. Nomenclaturally unavailable names are marked with #. The symbol * denotes that the mtCOI DNA of the species will be examined separately.

Aganaidae

1. *Asota heliconia* (Linnaeus, 1758)

(Fig. 1)

Synonym(s): *heliconia* Linnaeus, 1758; *dama* Fabricius, 1775; *monycha* Cramer, 1779; *silvandra* Stoll, 1782; *doryca* Boisduval, 1832; *intacta* Walker, 1854; *lanceolata* Walker, 1856; *clavata* Butler, 1875; *dicta* Butler, 1875; *zebrina* Butler, 1877; *venalba* Moore, 1877; *leuconeura* Butler, 1879; *perimele* Weymer, 1885; *semifusca* Butler, 1887; *nicobarica* Swinhoe, 1892; *malisa* Swinhoe, 1892; *ghara* Swinhoe, 1892; *lara* Swinhoe, 1893; *enganensis* Rothschild, 1896; *natunensis* Rothschild, 1896; *murina* Rothschild, 1896; *timorana* Rothschild, 1896; *kalaonica* Rothschild, 1896; *riukiuana* Rothschild, 1896; *philippina* Rothschild, 1896; *sangirensis* Rothschild, 1896; *bandana* Rothschild, 1896; *kiriwinae* Rothschild, 1896; *#extensa* Rothschild, 1896; *#diluta* Rothschild, 1896; *#brevipennis* Rothschild, 1896; *#nervosa* Rothschild, 1896; *extensa* Seitz, 1914; *atrata* Jordan, 1924

Remarks: This species is widely distributed in the Philippines.

Arctiidae

2. *Aloa cardinalis* (Butler, 1875)

Synonym(s): *cardinalis* Butler, 1875

3. *Amerila astreus* (Drury, 1773)

Synonym(s): *astreus* Drury, 1773; *melanthus* Cramer, 1780; *hainana* Rothschild, 1910

4. *Argina astrea* (Drury, [1773])

Synonym(s): *#cribraria* Clerck, 1764 nec Linn., 1758; *astrea* Drury, [1773]; *pylotis* Fabricius, 1775; *dulcis* Walker, 1854; *guttata* Rambur, 1866; *notata* Butler, 1877; *pylotes* Butler, 1877; *multiguttatus* Swinhoe, 1892; *#perforata* Seitz, 1914; *#detersa* Hulstaert, 1923; *#astraea* auct.

5. *Barsine roseororatus* (Butler, 1877)

(Fig. 2)

Synonym(s): *roseororatus* Butler, 1877

6. **Eugoa* sp.

Remarks: The identity of this species is ongoing.

Material studied: 1 ex. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

7. *Lemyra maculifascia* (Walker, 1855)

(Fig. 3)

Synonym(s): *maculifascia* Walker, 1855; *conspurcatum* Walker, 1856; *parva* Walker, 1865; *parvula* Hulstaert, 1924; *malayensis* Hampson, 1901

Remarks: New to the fauna of Bohol.

8. *Mangina pulchra* (Swinhoe, 1892)

Synonym(s): *pulchra* Swinhoe, 1892; *callargus* Reich, 1932

9. *Nyctemera (Coleta) coleta* (Stoll, [1781])

Synonym(s): *coleta* Stoll, [1781]

10. *Nyctemera (Deilemera) luzonica* (Swinhoe, 1917)

Synonym(s): *luzonica* Swinhoe, 1917

11. *Nyctemera (Orphanos) radiata* Walker, 1856

Synonym(s): *radiata* Walker, 1856; *alternata* Walker, 1866; *proprium* Swinhoe, 1892; *eryla* Semper, 1899; *convexa* Semper, 1899; *loligo* Seitz, 1915

12. *Spilosoma strigatula* (Walker,1855) (Fig. 4)

Synonym(s): strigatula Walker,1855; cervina Wallengren,1864

Remarks: New to the fauna of Bohol.

Bombycidae**13. *Penicillifera apicalis* (Walker,1862) (Fig. 5)**

Synonym(s): apicalis Walker,1862; signifera Walker,1862

Remarks: New to the fauna of Bohol.

Drepanidae**14. *Callidrepana argenteola* (Moore,1858) (Fig. 6)**

Synonym(s): argenteola Moore,1858; bracteata Hampson,1893; celebensis W.Warren,1922

Material studied: 2♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

15. *Tridrepana fulvata* (Snellen,1876)

Synonym(s): fulvata Snellen,1876

Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

Eupterotidae**16. *Pseudoganisa currani* Schultze,1910**

Synonym(s): currani Schultze,1910; gonioptera West,1932

Geometridae**17. *Cleora alienaria* (Walker,1860)**

Synonym(s): alienaria Walker,1860

18. *Comibaena* sp. (Fig.7)

Remarks: The identity of this species is ongoing.

19. *Corymica arnearia* Walker,1860

Synonym(s): arnearia Walker,1860

Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

20. **Derambila* sp. (Fig.8)

Remarks: No identified species of this genus is known from the Philippines so far. The determination of this species is ongoing.

21. *Eucyclodes benguetensis* (L.B.Prout,1933) (Fig.9)

Synonym(s): benguetensis L.B.Prout,1933

Remarks: New record for the fauna of Bohol.

22. *Gymnoscelis* aff.*ischnophylla* Turner,1942

Synonym(s): ischnophylla Turner,1942

Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

23. ****Herochroma* sp.** (Fig.10)
Remarks: The identity of this species is ongoing.
24. ***Hypephyra (Visitara) speciosa* Yazaki,1993**
Synonym(s): *speciosa* Yazaki,1993
25. ****Hypochrosis hyadaria* Guenée,[1858]** (Fig.11)
Synonym(s): *hyadaria* Guenée,[1858]; *ignivorata* Walker,[1863]; *obliquaria* Moore,1888
Remarks: New to the fauna of Bohol.
Material studied: 3♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
26. ****Pingasa* sp.** (Fig.12)
Remarks: The identity of this species is ongoing.
27. ***Protulioenemis biplagiata* (Moore,[1887])** (Fig.13)
Synonym(s): *biplagiata* Moore,[1887]; *elegans* W.Warren,1899; *subornataria* Rothschild,1915; *unidentata* L.B.Prout,1916; *ceramicaria* Oberthür,1916; *rookaria* Oberthür,1916; *negligens* L.B.Prout,1925
Remarks: New record for the fauna of the Philippines and Bohol.
28. ****Pseudopolynesia* sp.** (Fig.14)
Remarks: The identity of this Eupitheciid species is ongoing. The genus is represented in the Philippines from Luzon only (Holloway,1996).
29. ****Rutellerona* sp.** (Fig.15)
Remarks: The identity of this species is ongoing.
30. ***? *Oxymacaria* sp.** (Fig.16)
Remarks: The identity of this species is ongoing.
Material studied: 2♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
31. ****Thalassodes* sp.** (Fig.17)
Remarks: The identity of this species is ongoing.
32. ***Zythos modesta* Yazaki,1996**
Synonym(s): *modesta* Yazaki,1996

Lasiocampidae

33. ***Suana* sp.** (Fig.18)
Remarks: The identity of this species is ongoing.

Lymantriidae

34. ***Arctornis* sp.** (Fig.19)
Remarks: The identity of this species is ongoing.
35. ***Dura* sp.** (Fig.20)
Remarks: The identity of this species is ongoing.
36. ***Euproctis pallifrons* Semper,1899**
Synonym(s): *pallifrons* Semper,1899

37. *Lymantria (Porthetria) lunata* (Stoll,[1782])

Synonym(s): *lunata* Stoll,[1782]; *curvifera* Walker,1866; *ichorina* Butler,1884; *#lunatoides* Strand,1915; *carteri* Schintlmeister,2004

Noctuidae**38. *Aedia* aff. *acronyctoides* (Guenée,1852) (Fig.21)**

Synonym(s): *acronyctoides* Guenée,1852
Remarks: New to the fauna of Bohol.

39. *Anticarsia irrorata* (Fabricius,1781) (Fig.22)

Synonym(s): *irrorata* Fabricius,1781; *sordida* Fabricius,1794 nec Denis & Schiff.,1775; *jocosa* Hübner,[1823]; *transducta* Walker,1865; *consueta* Walker,1869; *loxigramma* Hampson,1902; *#irrorata* Hacker & Fibiger,2001
Remarks: New record to the Philippines, and Bohol Is.

40. *Bastilla arcuata* (Moore,1887) (Fig.23)

Synonym(s): *joviana* Guenée,1852 (preocc.); *arcuata* Moore,1887; *guenei* Snellen,1880; *curvata* Leech,1889

41. *Bastilla joviana* (Stoll,1782) (Fig.24)

Synonym(s): *sinuata* Fabricius,1781 nec Fabr.,1775; *joviana* Stoll,1782; *jovis* Hübner,[1823]
Remarks: New to the fauna of Bohol.

42. *Callopietria* sp. (Fig.25)

Remarks: The identity of this species is ongoing.

43. *Callopietria trilineata* (Walker,1862) (Fig.26)

Synonym(s): *trilineata* Walker,1862; *duplicilinea* Walker,1864
Remarks: New to the fauna of Bohol.

44. *Chalciope mygdon* (Cramer,[1777]) (Fig.27)

Synonym(s): *mygdon* Cramer,[1777]; *triangulum* Fabricius,1787; *mygdoniae* Hübner,[1823]
Remarks: Previously, the adult of this species was illustrated by the first author from Thailand (Chiang Mai) (Koçak & Kemal, 2007: pl.14 fig.3). New record to the fauna of Bohol Is.

45. *Chrysodeixis eriosoma* (Doubleday,1843) (Fig.28)

Synonym(s): *eriosoma* Doubleday,1843; *verticillata* Guenée,1852
Remarks: New to the fauna of Bohol.

46. *Corcobara angulipennis* Moore,1882

Synonym(s): *angulipennis* Moore,1882; *thwaitesi* Moore,[1885]
Remarks: This species was reported and illustrated by the authors from Bohol Island (Koçak & Kemal,2012).

47. *Dactyloplusia impulsiva* (Walker,1865)

Synonym(s): *impulsiva* Walker,1865
Material studied: 3♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

48. **Dichromia* sp. (Fig.29)

Remarks: The identity of this species is ongoing.

49. *Earias cupreoviridis* (Walker,1862)

Synonym(s): *cupreoviridis* Walker,1862; *chromataria* Walker,1863; *fulvidana* Wallengren,1863; *fervida* Walker,1866; *limbana* Snellen,1879; *decolorata* W.Warren,1913; *#cellularis* Strand,1917
Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

Remarks: New record to the Philippines, and Bohol Is.

50. ***Ericeia inangulata* (Guenée,1852) (Fig.30)**
 Synonym(s): inangulata Guenée,1852; optativa Walker,1858; optatura Walker,1858; zeta Walker,1864; intracta Walker,1864; comitata Walker,1865; umbrosa Walker,1869; subcinerea Snellen,1880; intextilia Schultze,1908; levuensis A.E.Prout,1929; certilinea A.E.Prout,1929
 Remarks: New record to the Philippines, and Bohol Is.
51. ***Erygia spissa* (Guenée,1852) (Fig.31)**
 Synonym(s): spissa Guenée,1852; spissata Guenée,1852; decens Walker,[1858]
 Remarks: New record to the fauna of Bohol Is.
52. ***Gadirtha impingens* Walker,[1858] (Fig.32)**
 Synonym(s): impingens Walker,[1858]; bufonia C.Felder & R.Felder,1862; tinctoides Snellen,1877; guineana Swinhoe,1918; buruensis A.E.Prout,1926
 Remarks: New record to the Philippines, and Bohol Is.
53. ***Grammodes geometrica* (Fabricius,1775) (Fig.33)**
 Synonym(s): geometrica Fabricius,1775; ammonia Cramer,1780 nec Esp.,[1794]; orientalis W.Warren,1913
 Remarks: New record to the fauna of Bohol Is.
54. ***Mocis frugalis* (Fabricius,1775) (Fig.34)**
 Synonym(s): frugalis Fabricius,1775; lycopodia Geyer,1837; translata Walker,1865.
55. ***Mocis undata* (Fabricius,1775) (Fig.35)**
 Synonym(s): undata Fabricius,1775; archesia Cramer,1780; virbia Cramer,1780; gregalis Guenée,1852; bifasciata Walker,1865; philippiensis Strand,1917; uberia Wileman,1923
 Remarks: New record to the fauna of Bohol Is.
56. ****Nola* sp. (Fig.36)**
 Remarks: The identity of this species is ongoing.
57. ***Plusiopalpa adrasta* (R.Felder & Rogenhofer,1874) (Fig.37)**
 Synonym(s): adrasta R.Felder & Rogenhofer,1874; crassipalpus Hampson,1894; shisa Strand,1920
 Remarks: This species is easily distinguishable by its very large palpus. New to the fauna of Bohol.
58. ***?Psimada* sp. (Fig.38)**
 Remarks: The identity of this species is ongoing.
59. ***Rusicada* sp. (Fig.39)**
 Remarks: The identity of this species is ongoing.
60. ***Thysanoplusia (Daubeiplusia) lectula* (Walker,1858) (Fig.40)**
 Synonym(s): lectula Walker,1858; calitura R.Felder & Rogenhofer,1874; longisigna Chou & Lu,1979
 Remarks: New record to the Philippines, and Bohol Is.
61. ***Tiracola aureata* Holloway,1989 (Fig.41)**
 Synonym(s): aureata Holloway,1989
 Remarks: New record to the fauna of Bohol Is.
62. ***Tiruvaca subcostalis* (Walker,1865) (Fig.42)**
 Synonym(s): subcostalis Walker,1865
63. ***Trigonodes hyppasia* (Cramer,1779) (Fig.43)**
 Synonym(s): hyppasia Cramer,1779; deliana Stoll,1790; anfractuosa Boisduval,1834; acutata Guenée,1852; inacuta Guenée,1852; exportata Guenée,1852; compar Walker,[1858]; #hyppasia Hacker & Weigert,1990
 Remarks: New record to the fauna of Bohol Is.

64. ***Yepcalphis dilectissima* (Walker,1858) (Fig.44)**
 Synonym(s): dilectissima Walker,1858; limacodina R.Felder,1874; cingalesa W.Warren,1913; suffusa W.Warren,1913; insulicola W.Warren,1913
 Material studied: 2♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

Notodontidae

65. ***Cerasana basipuncta* (Semper,1896)**
 Synonym(s): basipuncta Semper,1896
66. ***Pseudostauropus ocularis* (Semper,1898)**
 Synonym(s): ocularis Semper,1898
 Remarks: Described from Bohol, but no specimen could be obtained from this Island.

Pyralidae

67. ****Agathodes* sp.**
 Material studied: 2 ex. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
68. ***Agrioglypta itysalis* (Walker,1859)**
 Synonym(s): itysalis Walker,1859; piepersialis Snellen,[1880]; malayana Butler,1880
69. ****Bacotoma* sp.**
 Remarks: The genus is apparently unknown in the Philippines. The identity of this species is ongoing.
 Material studied: 1 ♀. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
70. ***Bocchoris artificialis* (Lederer,1863)**
 Synonym(s): artificialis Lederer,1863; inscitalis Walker,[1866]; abstrusalis Moore,1882
71. ***Botyodes asialis* Guenée,1854**
 Synonym(s): asialis Guenée,1854; #liliputalis Strand,1913
72. ***Calamotropha abjectella* Snellen,1872**
 Synonym(s): abjectella Snellen,1872
73. ***Cirrhochrsta kosemponialis* Strand,1919**
 Synonym(s): kosemponialis Strand,1919; bifurcalis Hampson,1919
 Material studied: 2♀. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
74. ***Crocidolomia pavonana* (Fabricius,1794)**
 Synonym(s): pavonana Fabricius,1794; binotalis Zeller,1852; comalis Guenée,1854; incomalis Guenée,1854; quadripunctata Shiraki,1913; dentalis Amsel,1951
75. ***Diaphania indica* (Saunders,1851)**
 Synonym(s): indica Saunders,1851; capensis Zeller,1852; gazoralis Guenée,1854; zygaenalis Guenée,1854; curcubitalis Guenée,1862; intermedialis Dognin,1904.
76. ***Doloessa viridis* Zeller,1848**
 Synonym(s): viridis Zeller,1848; figurana Walker,1863; ornata Wileman,1910; phthorogramma Meyrick,1938

77. ***Endotricha* sp.**
Material studied: 1ex. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
Remarks: The identity of this species is ongoing.
78. ***Euclasta (s.str.) defamatalis* (Walker,1859)**
Synonym(s): defamatalis Walker,1859
79. ***Glyphodes actorionalis* (Walker,1859)**
Synonym(s): actorionalis Walker,1859; jovialis R.Felder & Rogenhofer,1875; zelleri Lederer,1863
80. ***Glyphodes bivitalis* Guenée,1854**
Synonym(s): bivitalis Guenée,1854; alitalis Hulst,1886
Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
81. ***Glyphodes caesalis* Walker,1859**
Synonym(s): caesalis Walker,1859; assimilis Rothschild,1915; analagoalis Rothschild,1915
Material studied: 1♀. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
82. ***Glyphodes crameralis* Guenée,1854**
Synonym(s): crameralis Guenée,1854.
83. ***Hemiscopis suffusalis* (Walker,1865)**
Synonym(s): suffusalis Walker,1865
84. ***Herpetogramma cynaralis* (Walker,1859)**
Synonym(s): cynaralis Walker,1859; quadriguttalis Walker,[1866]; marginalis Moore,1886; epitrota Meyrick,1887
85. ***Hymenoptychis sordida* Zeller,1852**
Synonym(s): sordida Zeller,1852; tipuliformis Walker,1863; pterophoralis Walker,[1866]
86. ***Maruca vitrata* (Fabricius,1787)**
Synonym(s): vitrata Fabricius,1787; testulalis Geyer,[1832]; aquatilis Guérin-Méneville,[1832]; bifenestralis Mabille,1880; simialalis Snellen,1892; nigroapicalis De Joannis,1930.
Material studied: 1♂. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
87. ***Mucialla fuscolimbalis* Snellen,1900**
Synonym(s): fuscolimbalis Snellen,1900
88. ***Nausinoe euroalis* Swinhoe,1889**
Synonym(s): euroalis Swinhoe,1889
89. ***Omphisa illisalis* (Walker,1859)**
Synonym(s): illisalis Walker,1859
90. ***Ostrinia furnacalis* (Guenée,1854)**
Synonym(s): furnacalis Guenée,1854; damoalis Walker,1859; salentialis Snellen,1880; kodzukalis Matsumura,1897; polygona Dyar,1905; vastatrix Schultze,1908
91. ***Palpita celsalis* (Walker,1859)**
Synonym(s): annulata Fabricius,1794 nec Schülze,1775; celsalis Walker,1859; partialis Lederer,1863; ardealis R.Felder & Rogenhofer,1875; inusitata Butler,1879.

92. ***Pinacia fulvidorsalis* (Hübner,1832)**
Synonym(s): fulvidorsalis Hübner,1832
93. ***Pygospila tyres* (Cramer,[1780])** (Fig.45)
Synonym(s): tyres Cramer,[1780]; thyrallis Hübner,[1825]; #tyresalis Guenée,1852; #tyridia Strand,1920
94. ***Schoenobius ochraceellus* Snellen,1880**
Synonym(s): ochraceellus Snellen,1880
95. ***Schoenobius punctellus* Zeller,1863**
Synonym(s): punctellus Zeller,1863; bipunctifer Walker,1863; gratiosellus Walker,1864.
96. ***Scirpophaga innotata* (Walker,1863)**
Synonym(s): innotata Walker,1863; sericea Snellen,1880
97. ***Spoladea recurvalis* (Fabricius,1775)**
Synonym(s): recurvalis Fabricius,1775; fascialis Cramer,[1782]; recurvella Zincken,1818; diffascialis Hübner,[1825]; albifacialis Boisduval,1833; animalis Guenée,1854; exodias Meyrick,1904; formosana Shiraki,1910.
98. ***Syllepte jopasalis* (Walker,1859)**
Synonym(s): jopasalis Walker,1859
99. ***Theila hirsuta* Semper,1902**
Synonym(s): hirsuta Semper,1902
100. ****Trichoceraea semperi* Sauber,1902**
Synonym(s): semperi Sauber,1902
Remarks: Described from Luzon and Mindanao. New to the fauna of Bohol.
Material studied: 3♂♀. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)

Saturniidae

101. ***Actias philippinica* Nässig & Treadaway,1997**
Synonym(s): philippinica Nässig & Treadaway,1997

Sphingidae

102. ***Acosmeryx anceus* (Stoll,[1781])**
Synonym(s): anceus Stoll,[1781]
103. ***Acosmeryx socrates* Boisduval,[1875]**
Synonym(s): socrates Boisduval,[1875]
104. ***Agrius convolvuli* (Linnaeus,1758)** (Fig.46)
Synonym(s): convolvuli Linnaeus,1758; abaddonna Fabricius,1798; pseudofasciatus Koch,1865; pseudoconvolvuli Schaufuss,1870; orientalis Butler,1876; distans Butler,1876; batatae Christ,1882; nigricans Cannaviello,1900; ichangensis Tutt,1904; javanensis Tutt,1904; tahitiensis Tutt,1904; indica Skell,1913; marshallensis Clark,1922; aksuensis O.Bang-Haas,1927
105. ***Ambulyx bakeri* (Clark,1929)** (Fig.47)
Synonym(s): bakeri Clark,1929
106. ***Ambulyx staudingeri* Rothschild,1894**
Synonym(s): staudingeri Rothschild,1894

107. ***Amphlypterus panopus* (Cramer,[1779])**
 Synonym(s): panopus Cramer,[1779]
 Material studied: 3 ex. Philippines, Bohol Is., Chocolate hills 370m, 13-19.xii.1996, A.Koçak leg. (Cesa)
108. ***Daphnis hypothous* (Cramer,[1780])**
 Synonym(s): hypothous Cramer,[1780]
109. ***Daphnusa ocellaris* Walker,1856**
 Synonym(s): ocellaris Walker,1856
110. ***Eupanacra elegantulus* (Herrich-Schäffer,1856)**
 Synonym(s): elegantulus Herrich-Schäffer,1856
111. ***Eupanacra tiridates* (Boisduval,[1875])**
 Synonym(s): tiridates Boisduval,[1875]
112. ***Hippotion celerio* (Linnaeus,1758)**
 Synonym(s): celerio Linnaeus,1758; tisiphone Linnaeus,1758; inquilinus Harris,1780; phoenix Oken,1815; ocys Hübner,[1819]; albolineatus Montrousier,1864
113. ***Hippotion echeclus* (Boisduval,[1875])** (Fig.48)
 Synonym(s): echeclus Boisduval,[1875]; elegans Butler,1875
114. ***Hippotion rosetta* (Swinhoe,1892)**
 Synonym(s): rosetta Swinhoe,1892; depictum Dumont,1941
115. ***Marumba amboinicus* (C.Felder,1862)** (Fig.49)
 Synonym(s): amboinicus C.Felder,1862
116. ***Pergesa actea* (Cramer,1779)**
 Synonym(s): acteus Cramer,1779
117. ***Polyptychus trilineatus* Moore,1888**
 Synonym(s): trilineatus Moore,1888
118. ***Psilogramma menephron* (Cramer,[1780])**
 Synonym(s): menephron Cramer,[1780]; ahrendti Pagenstecher,1888
119. ***Theretra alecto* (Linnaeus,1758)**
 Synonym(s): alecto Linnaeus,1758; cretica Boisduval,1827; freyeri Kirby,1892; transcaspica O.Bang-Haas,1927; intermissa Gehlen,1941.
120. ***Theretra clotho* (Drury,[1773])**
 Synonym(s): clotho Drury,[1773]
121. ***Theretra latreillii* Macleay,[1826]**
 Synonym(s): latreillii Macleay,[1826]
122. ***Theretra nessus* (Drury,[1773])** (Fig.50)
 Synonym(s): nessus Drury,[1773]
123. ***Theretra oldenlandiae* (Fabricius,1775)**
 Synonym(s): oldenlandiae Fabricius,1775; olivacens Mell,1922
124. ***Theretra rhesus* (Boisduval,[1875])**
 Synonym(s): rhesus Boisduval,[1875]; javanica Rothschild,1894

125. *Theretra silhetensis* (Walker, 1856)Synonym(s): *silhetensis* Walker, 1856**Thyridae****126. *Aglaopus decussata* (Moore, 1883)****(Fig. 51)**Synonym(s): *decussata* Moore, 1883; *derasata* W. Warren, 1897Remarks: New record to the Philippines, and Bohol Is. (Robinson, *et al.*, 1994).**Uraniidae****127. *Dysaethria plicata* (Snellen, 1877)****(Fig. 52)**Synonym(s): *plicata* Snellen, 1877

Remarks: New record to the Philippines, and Bohol Is.

Zygaenidae**128. *Cyclosia chartacea* (Swinhoe, 1892)**Synonym(s): *chartacea* Swinhoe, 1892; *chartaceomorpha* M. Hering, 1922; *tenebrosa* Jordan, 1933; *virgata* Jordan, 1933; *dorsalis* Jordan, 1933**References**

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Images

All the specimens illustrated below are from Bohol Islands, Chocolate hills (Philippines)



Figs. 1, 2 – *Asota heliconia* (Aganaiidae) (left). *Barsine roseororatus* (Arctiidae) (right), A.Koçak (Cesa)



Figs. 3, 4 – *Lemyra maculifascia* (Arctiidae) (left). *Spilosoma strigatula* (Arctiidae) (right), A.Koçak (Cesa)



Figs. 5, 6 – *Penicillifera apicalis* (Bombycidae) (left). *Callidrepana argenteola* (Drepanidae) (right), A.Koçak (Cesa)



Figs. 7, 8 – *Comibaena* sp. (Geometridae) (left). *Derambila* sp. (Geometridae) (right), A.Koçak (Cesa)



Figs. 9, 10 – *Eucyclodes benguetensis* (Geometridae) (left). *Herochroma* sp. (Geometridae) (right), A.Koçak (Cesa)



Figs. 11, 12 – *Hypochrosis hyadaria* (Geometridae) (left). *Pingasa* sp. (Geometridae) (right), A.Koçak (Cesa)



Figs. 13, 14 – *Protulioenemis biplagiata* (Geometridae) (left). *Pseudopolynesia* sp. (Geometridae) (right), A.Koçak (Cesa)



Figs. 15, 16 – *Rutellerona* sp. (Geometridae) (left). ? *Oxymacaria* sp. (Geometridae) (right), A.Koçak (Cesa)



Figs. 17,18 – *Thalassodes* sp. (Geometridae) (left). *Suana* sp. (Lasiocampidae) (right), A.Koçak (Cesa)



Figs. 19, 20 – *Arctornis* sp. (Lymantriidae) (left). *Dura* sp. (Lymantriidae) (right), A.Koçak (Cesa)



Figs. 21, 22 – *Aedia acronyctoides* (Noctuidae) (left). *Anticarsia irrorata* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 23, 24 – *Bastilla arcuata* (Noctuidae) (left). *Bastilla joviana* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 25, 26 – *Callopietria* sp. (Noctuidae) (left). *Callopietria trilineata* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 27, 28 – *Chalciopie mygdon* (Noctuidae) (left). *Chrysodeixis eriosoma* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 29, 30 – ? *Dichromia* sp. (Noctuidae) (left). *Ericeia inangulata* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 31, 32 – *Erygia spissa* (Noctuidae) (left). *Gadirtha impingens* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 33, 34 – *Grammodes geometrica* (Noctuidae) (left). *Mocis frugalis* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 35, 36 – *Mocis undata* (Noctuidae) (left). ? *Nola* sp. (Noctuidae) (right), A.Koçak (Cesa)



Figs. 37, 38 – *Plusiopalpa adrasta* (Noctuidae) (left). ? *Psimada* sp. (Noctuidae) (right), A.Koçak (Cesa)



Figs. 39, 40 – *Rusicada* sp. (Noctuidae) (left). *Thysanoplusia lectula* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 41, 42 – *Tiracola aureata* (Noctuidae) (left). *Tiruvaca subcostalis* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 43, 44 – *Yecalphis dilectissima* (Noctuidae) (left). *Trigonodes hyppasia* (Noctuidae) (right), A.Koçak (Cesa)



Figs. 45, 46 – *Pygospila tyres* (Pyralidae) (left). *Agrius convolvuli* (Sphingidae) (right), A.Koçak (Cesa)



Figs. 47, 48 – *Ambulyx bakeri* (Sphingidae) (left). *Hippotion echeclus* (Sphingidae) (right), A.Koçak (Cesa)



Figs. 49, 50 – *Marumba amboinicus* (Sphingidae) (left). *Theretra nessus* (Sphingidae) (right), A.Koçak (Cesa)



Figs. 51, 52 – *Aglaopus decussata* (Thyridae) (left). *Dysaethria plicata* (Uraniidae) (right), A.Koçak (Cesa)

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